

Nuclear Waste Program

2001 – 2003 Biennial Summary Program Plan and Performance Measures Status Report

Quarter Five

Nuclear Waste Program Performance Measures	Baseline	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 5	Qtr 6	Qtr 7	Qtr 8
Objective 1: Tanks: Reduce environmental threats by improving Hanford tank waste management to ensure safe disposal of Hanford tank wastes.									
Target 1: Safe Storage: 2% of pumpable liquid remaining in 29 single-shell tanks by 9/30/03; 23% remaining by 9/30/01.									
• Output: Adhere to/enforce Consent Decree									
• Outcome: % of pumpable liquid remaining in single-shell tanks.	25%	23%	21.1%	19.3%	17.8%				
<i>Comments: Consent Decree milestone D-001-12V requires the waste volume to be reduced to less than 18% (about 660k gallons) by 9/30/02. DOE modified their calculation method and have reported they met this milestone (This milestone is reported one quarter late due to USDOE data collection and interpretation agreements).</i>									
Target 2: Safe Storage: 5% of organic-complexed pumpable liquids remaining in five single-shell tanks by 9/30/01.									
• Output: Adhere to/enforce Consent Decree									
• Outcome: % of organic pumpable liquid remaining in single-shell tanks as of 9/30/01.	13.5%	13.5**							
<i>Comments: The target pertains to tanks that are not considered interim stabilized. On 9/27/01, USDOE Office of River Protection declared the last two (241-U-102 and 241-U-109) of the five tanks containing organic-complexed pumpable liquids interim stabilized. This completed Target #2 because all five single-shell tanks are now considered interim stabilized.</i>									
Target 3: Retrieval: Approve retrieval demonstration design for one of the three selected single-shell tanks by 7/03.									
• Output: Reviewed Function and Requirements documents from USDOE; Ecology provided comments to USDOE 3/02; comments 6/02.									
• Ecology has initiated discussions with USDOE on Tank Farm Waste Characterization efforts; key to retrieval of tank wastes issues									
• Outcome: Approved of Function and Requirements documents. Conceptual and 30% design and leak detection development are on going. Retrieval demonstration design activities on schedule for 7/03.	Target/ Actual 0%	12% 12%	25% 25%	37% 37%	50% 50%	62% 62%	75%	87%	100%
<i>Comments: All activities point to meeting target for an approved retrieval demonstration design by 7/03, based on receiving full FY03 funding.</i>									
Target 4: Treatment: Issue three major permits by 6/02 that facilitate Waste Treatment Complex construction start date of 7/02 (Toxic Air, Prevention of Significant Deterioration & Dangerous Waste).									
• Output: Prevention of Significant Deterioration (PSD) permit to be issued 7/8/02.									

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<ul style="list-style-type: none"> • USDOE and Ecology worked on Air Toxic Notice of Construction final permit will be issued by 7/02 to support start of construction in 7/02. • Dangerous Waste Permit conditions were developed and worked to resolve disagreements with contractors and USDOE prior to public comment period. Authorization to proceed with construction prior to final permit completion issued on July 1 2002. • Continued to develop innovative compliance schedules to include in permit and support the scheduled start of construction in 7/02. • First structural concrete poured on July 10 2002 									
<ul style="list-style-type: none"> • Outcome: Remaining Dangerous Waste Permit schedule does not support start of construction of 7/02. Ecology granted a temporary authorization of 180 days for construction to proceed prior to permit finalization so that the start of construction date could begin on July 10, 2002. 	30%								
	Target/ Actual	45% 45%	60% 60%	85% 80%	100% 100%				
<i>Comments: Target met with issuance of air permits and authorization to proceed.</i>									
Target 5: Tri-Party Agreement/Stakeholder: Reaffirm the parties' accountability and commitment to meet Tri-Party Agreement requirements.									
<ul style="list-style-type: none"> • Output: Recovery Plan was reviewed to assess 1) impact on the Tri-Party Agreement deadline for "hot start" of the Waste Treatment Complex of 12/07; and 2) adequacy of FY2002 funding. • The Recovery Plan and its associated Tri-Party Agreement changes went out for public comment March 18, 2002, with finalization and approval by July 2002. 									
<ul style="list-style-type: none"> • Outcome: The Recovery Plan's schedules will be tight, but will meet the 12/07 "hot start" date. • USDOE will produced a draft work plan showing how specific goals can be met and the Tri-Parties hope to produce a mutually agreed to work plan by August 1, 2002. Changes will then be proposed to the Tri-Party Agreement as appropriate. 									
Objective 2: Commercial low-level waste: Ensure effective management and environmentally safe disposal of waste at the Commercial Low-Level Radioactive Waste Site in Richland, Washington.									

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Target 6: Environmental Impact Statement to be issued no later than 12/02; jointly prepared by the Departments of Health and Ecology.									
<ul style="list-style-type: none"> Output: Continued work on the F Department of Health still reviewing cap designs; analysis of cap designs to be completed by 12/02 with issuance of EIS. Evaluating validity of the groundwater model data. There is a discrepancy between the data provided using the groundwater model in the draft EIS and the actual data collected in Phase II investigation. 									
<ul style="list-style-type: none"> Outcome: 60% of Public Response Summary completed to date. Environmental Impact Statement may be delayed if explanation is not forthcoming as to groundwater data discrepancy. Decision will be made by August 2002 whether or not to go ahead with issuing EIS in 12/02. The FEIS has been delayed 2-3 months. 	Target/ Actual 10%	25% 25%	40% 40%	55% 55%	70% 65%	85%	100%		
<i>Comments: The Public Responsiveness Summary is part of the Environmental Impact Statement that will be issued in winter 2003. The closure of the Site is one of the options being considered in the Environmental Impact Statement. The Department of Health has the lead for cap design and has hired a consultant to evaluate the cap designs.</i>									
Target 7: Begin implementation of Phase III Investigation by 6/03.									
<ul style="list-style-type: none"> Output: Planned the Data Quality Objective presentations for the public meetings/technical work group sessions; first public meeting scheduled 7/02. 									
<ul style="list-style-type: none"> Outcome: Projected completion of Data Quality Objective process and award of contract for Phase III Investigation is 5/03; Still on target to begin implementation of Phase III Investigation by 6/03. 	5% Target/ Actual	15% 15%	25% 25%	35% 35%	50% 50%	65% 65%	75%	90%	100%
<i>Comments: The first three of five Data Quality Objective meetings have occurred on schedule. Although individual actions may have slipped, the target remains on schedule.</i>									
Objective 3: Tri-Party Agreement: Ensure compliance with Tri-Party Agreement milestones by a sound compliance & enforcement strategy, recognizing valid project issues that warrant modification of Tri-Party Agreement requirements.									
Target 8: All scheduled milestones will be effectively managed; as met, modified, or regulatory action taken.									
<ul style="list-style-type: none"> FFTF Milestones: Negotiations have been completed and we are finalizing changes resulting from AGO and EPA Region 10 review. We have their support for the milestone package, and will be forwarding it to USDOE 									

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<p>by the end of July. We expect agreement, with public comment to follow (late August to late September). The new FFTF package sets enforceable schedules for the shutdown of the reactor and its transition to an environmentally safe configuration. Reactor coolant (sodium) will be drained by mid 2005. The public comment period was extended for two weeks until October 24. A response to comments will be prepared within 60 days.</p> <ul style="list-style-type: none"> • Transuranic waste: This Tri Party Agreement dispute and associated negotiations focuses on the management of the large volumes of transuranic and transuranic mixed wastes held in Hanford burial grounds. The draft milestone package focuses on accelerating shipment of these wastes to the New Mexico Waste Isolation Pilot Plant (WIPP). Also included are provisions to accelerate the treatment and disposal of Hanford site Mixed Low Level Radioactive Wastes, and language that may result in Washington's acceptance of small volumes of out of state transuranic wastes for treatment at Hanford before disposal at WIPP. Negotiations continue pending resolution of C3T (accelerated cleanup) and out-of-state waste issues. DOE does not seem likely to sign up to milestones at this point. Discussions are taking place at the Director, Attorney General and Governor's level. • Plutonium Finishing Plant (PFP): TPA negotiations for establishing a draft series of milestones for decommissioning are completed. Attorney General reviewed and public comment began on June 17 and will end July 31, 2002. • New Cleanup Milestones: Ecology added and approved the M-15-01-46A and M-15-46B milestones for the 200-LW-1/200-LW-2 Remedial Investigation Report and Feasibility Study Report and Proposed Plan, and EPA added the M-15-44A and M-15-44B milestones for the 200-MW-1 RI Report and FS and Proposed Plan. 									
<ul style="list-style-type: none"> • Outcome: Total # of milestones due this quarter: 5 (a) # of milestones met; 5 									

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(b) # modified; 0 (c) # regulatory actions taken; 0 • new milestones established 4	*	(a) 86%	(a) 92%	(a) 89%	(a) 100%	(a) 100%			
		(b) 7%	(b) 8%	(b) 11%	(b) 0%	(b) 0%			
		(c) 7%	(c) 0%	(c) 0%	(c) 0%	(c) 0%			
<i>Comments: *A baseline cannot be provided at this time. We are looking at the best way to present our results to maximize value and meaning. Also, we are in the process of bringing a newly created milestone tracking system up to speed.</i>									
Objective 4: Groundwater: Ensure protection of the Columbia River from Hanford contamination.									
Target 9: Reduce overall concentration of contaminants in groundwater by 15% and minimize movement toward the Columbia River.									
• Output: All the 5 wells drilled as per plan are producing pumping contaminated groundwater for the surface treatment. Implementation of the comprehensive groundwater monitoring plan is in progress as per our previous plan. • Tri-parties have developed a comprehensive drilling, monitoring and remediation plan which is currently being reviewed by the Hanford Advisory Board, Tribal Nations and other interested parties.									
• Outcome: Amount of contaminated water removed and treated through pump and treat: 90 million gallons as targeted (total to date for biennium is 375 million gallons). The decrease in the level of contamination in groundwater is as per our expectation. Remediation has reduced the influx of contaminants entering the river.	80% Target/ Actual		75% 75%		72% 72%		68%		65%
<i>Comments: Baseline reflects that 80% of groundwater is contaminated; target is to be at 65% by June 30, 2003. Results are reported in six-month intervals.</i>									
Objective 5: Promote public input in the decision-making process on issues related to Hanford Site cleanup priorities and ensure information is available.									
Target 10: Increase overall public response to Nuclear Waste Program's Hanford public participation efforts by 20%.									
• Output: Requested public comment on proposed changes to the schedule for deactivation activities at the Fast Flux Test Facility, an extremely high-interest issue. Four regional public meetings held on FFTF. Additionally, following a fairly significant expression of interest for out-of-region public meetings, Ecology took the lead in developing a strategy that allowed these "out-of-region" residents to provide comments but did not entail conducting meetings outside the jurisdiction of the State									

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<p>of Washington.</p> <ul style="list-style-type: none"> Outreach methods: informational articles in Hanford-related publications (Hanford Happenings and Hanford Update); newspaper notices; direct mailings to the Hanford mailing list; discussions with stakeholder representatives at the Hanford Advisory Board and Public Involvement and Communication Committee meetings; conference calls arranged for "out-of-region" public who wished to listen to the meetings and provide verbal comment; notification on the availability of conference lines Drafted and distributed by Ecology. 									
<ul style="list-style-type: none"> Outcome: A 45-day public comment period and four public meetings on the proposed schedule for FFTF. This is an issue of extremely high interest, with stakeholders and the public divided along two lines, support for re-start and support for shutdown. Approximately 40-50 people attended each of the four meetings, for a total of approximately 200 people. An additional 15-20 took advantage of the call-in lines. Total attendance – approximately 220 – 240 (high.) The Tri-Party Agencies received hundreds of comments on the FFTF issue; however, the comments fall into a handful of general themes, including support for re-start and opposition to an "accelerated" shut-down schedule; and conversely, support for the proposed schedule and opposition to any discussion of re-starting the facility. Response level = high. # of Web-site hits: The Nuclear Waste Program Web site experienced a "settling" of Web site visits back into the previous range. This can be attributed to school being out (therefore fewer students accessing information for out for public comment. 	24,014/qlr	45,324	46,138	39,851	74,605	45,487			
<p><i>Comments: Actions support meeting 20% target for the biennium; quarter targets and actuals will not be calculated till the end of the time period. Results, as indicators, will be reported each quarter.</i></p> <ul style="list-style-type: none"> <i>Web-site hits returned to previous range, based on school being out and fewer issues being out for public comment.</i> 									
Notes:									